

Attorney's Docket: 2000DE426D

Serial No.: 10/103,903

Response to Notice of Non-Compliant Amendment mailed July 2, 2004

This listing of claims will replace all prior versions, and listings of claims in the application:

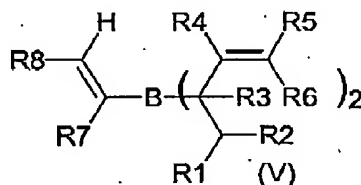
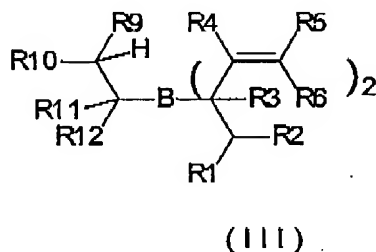
This listing of claims will replace all prior versions, and listings of claims in the application:

Claims 1-7 (Canceled)

8.(Withdrawn) Di(1-1-isopropyl-3-methylbut-2-enyl)borane of the formula (Ia).

9.(Withdrawn) A bis(allyl)borane of the formula (I) obtainable by a process as claimed in claim 1.

10.(Withdrawn) A Suzuki coupling reaction product obtained through use of a bis(allyl)borane of the formula (III) or (V) in C-C coupling reactions.

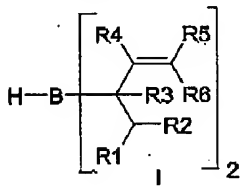


11.(Currently Amended) A process for preparing boronic [[acids]] acid esters by reaction of a diene with sodium borohydride in the presence of [[an]] a first oxidant selected from the group consisting of an alkyl halide, a dialkyl sulfate, and mixtures thereof to form the corresponding bis(allyl)borane of the formula (I) as described in claim 4

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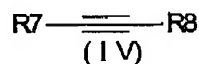
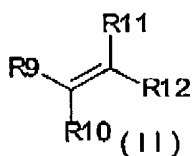
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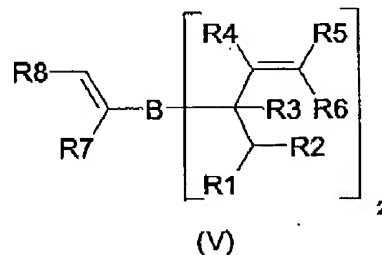
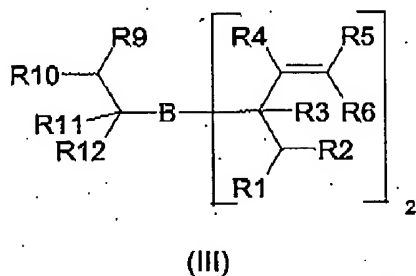
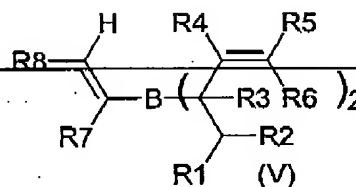
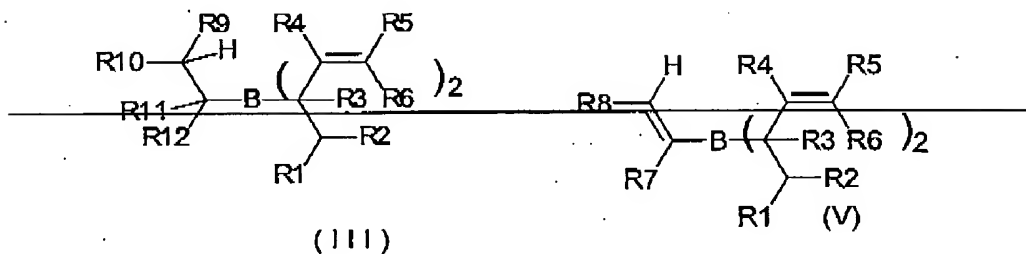
wherein $\text{R}^1\text{-R}^6$ are H, aryl or substituted or unsubstituted $\text{C}_1\text{-C}_4$ -alkyl or two of the radicals $\text{R}^1\text{-R}^6$ may be closed to form a cyclic system,

and further reaction of the borane (I) with an appropriate alkene (II) or alkyne (IV) to



give the

alkylbis(allyl)borane (III) or alkenylbis(allyl)borane (V)



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wherein the radicals R^7 to R^{12} are: aryl, substituted or unsubstituted, alkyl-(C_1 - C_8), which may be branched and/or substituted, alkoxy-(C_1 - C_8), acyloxy-(C_1 - C_8), O-phenyl, fluorine, chlorine, NO_2 , NH_2 , $NHalkyl-(C_1-C_8)$, $Nalkyl_2-(C_1-C_8)$, CN , CHO , SO_3H , SO_3R , SO_2NH_2 , $SO_2N(alkyl-(C_1-C_8))_2$, $SO_2alkyl-(C_1-C_8)$, $COO-alkyl-(C_1-C_8)$, $CONH_2$, $CO-alkyl-(C_1-C_8)$, $NHCHO$, CF_3 , 5-membered heteroaryl or 6-membered heteroaryl, where two of radicals R^7 to R^{12} may also form a cyclic ring system which may contain heteroatoms which is oxidized directly and directly oxidizing the alkylbis(allyl)borane (III) or alkenylbis(allyl)borane (V) in the presence of ~~[[an]]~~ a second oxidant to form the corresponding bisallyl alkylboronate or alkenylboronate and, if desired, subsequent conversion into a derivative.

Claim 12 (Canceled)

13. The process as claimed in claim 11, wherein the second oxidant ~~[[used]]~~ is selected from the group consisting of formaldehyde, acetone, glyoxal, ~~[[or]]~~ diacetyl, and mixtures thereof.

14. (Withdrawn) A Suzuki coupling reaction product obtained by using bis(allyl) alkylboronate or alkenylboronate produced as claimed in claim 11 in C-C coupling reactions.

15. (New) The process of claim 11, further comprising hydrolyzing the boronic acid esters to form boronic acids